Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/20/2017 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125773	0	1.74	125651	1.69
Blue	F	SSC	125000	123931	-1	3.12	124167	2.94
Blue	E	FITC	23615	22734	-4	2.71	1017	10.67
Blue	D	PE	26739	26324	-2	2.28	946	10.41
Blue	B	PerCP-Cy5-5	48339	47588	-2	3.71	1367	17.36
Blue	A	PE-Cy7	45021	44328	-2	5.44	682	36.84
Red	C	APC	53064	52316	-2	2.89	3008	9.57
Red	A	APC-Cy7	57175	56573	-2	2.90	1179	11.54
Violet	B	V450	14728	14305	-3	4.94	681	9.50
Violet	A	V500	58621	57808	-2	4.77	2551	7.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19678	3.05	611	-3	N/A	N/A	Pass
Blue	F	SSC	61200	1.62	549	3	N/A	N/A	Pass
Blue	E	FITC	112	39.30	546	-2	0.0189	88	Pass
Blue	D	PE	204	29.46	538	2	0.1332	170	Pass
Blue	B	PerCP-Cy5-5	211	46.57	637	2	0.0096	102	Pass
Blue	A	PE-Cy7	73	126.30	695	2	0.0111	18	Pass
Red	C	APC	350	28.36	597	0	0.0200	94	Pass
Red	A	APC-Cy7	130	40.07	580	0	0.0051	1296	Pass
Violet	B	V450	83	44.82	466	-4	0.0505	2579	Pass
Violet	A	V500	186	23.17	493	-4	0.0137	355	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.35	-31.00	0.97
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.36
Red	17.21	14.40 - 21.60	N/A	N/A	30.78	31.18	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13473

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments